

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/FI 03/00852

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 D21G7/00 //D21G1/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 D21G D21F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages   | Relevant to claim No. |
|------------|--|-----------------------|
| X          | US 4 642 164 A (KALLIOLA LAURI ET AL)<br>10 February 1987 (1987-02-10)<br>column 3, line 11 - line 22; figure 1<br>---   | 1-6                   |
| A          | US 3 782 330 A (KANDA M)<br>1 January 1974 (1974-01-01)<br>column 2, line 4 - line 8<br>column 2, line 57 - line 60<br>column 3, line 53 - column 4, line 9<br>----- | 1-6                   |

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

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"&amp;" document member of the same patent family

Date of the actual completion of the international search

24 February 2004

Date of mailing of the international search report

11 03. 2004

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/FI 03/00852

| Patent document<br>cited in search report |   | Publication<br>date | Patent family<br>member(s) | Publication<br>date |
|---|---|---------------------|----------------------------|---------------------|
| US 4642164                                | A | 10-02-1987          | FI 840515 A                | 09-08-1985          |
|   |   |                     | AT 388197 B                | 10-05-1989          |
|   |   |                     | AT 31585 A                 | 15-10-1988          |
|   |   |                     | CA 1243871 A1              | 01-11-1988          |
|   |   |                     | DE 3503448 A1              | 08-08-1985          |
|   |   |                     | IT 1183223 B               | 15-10-1987          |
|   |   |                     | SE 462922 B                | 17-09-1990          |
|   |   |                     | SE 8500468 A               | 09-08-1985          |
| <hr/>                                     |   |                     |                            |                     |
| US 3782330                                | A | 01-01-1974          | NONE                       |                     |
| <hr/>                                     |   |                     |                            |                     |